FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

TECHNICAL DATA SHEET   **PE44148**

FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

Configuration

Connector	FME Jack
Connector Interface Type	RG174,RG316,RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50

Mechanical Specifications

Size

Length, in [mm]	1.28 [32.51]
Width/Dia., in [mm]	0.312 [7.92]
Weight, lbs [g]	0.013 [5.9]

Connector

Type	FME Jack
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.
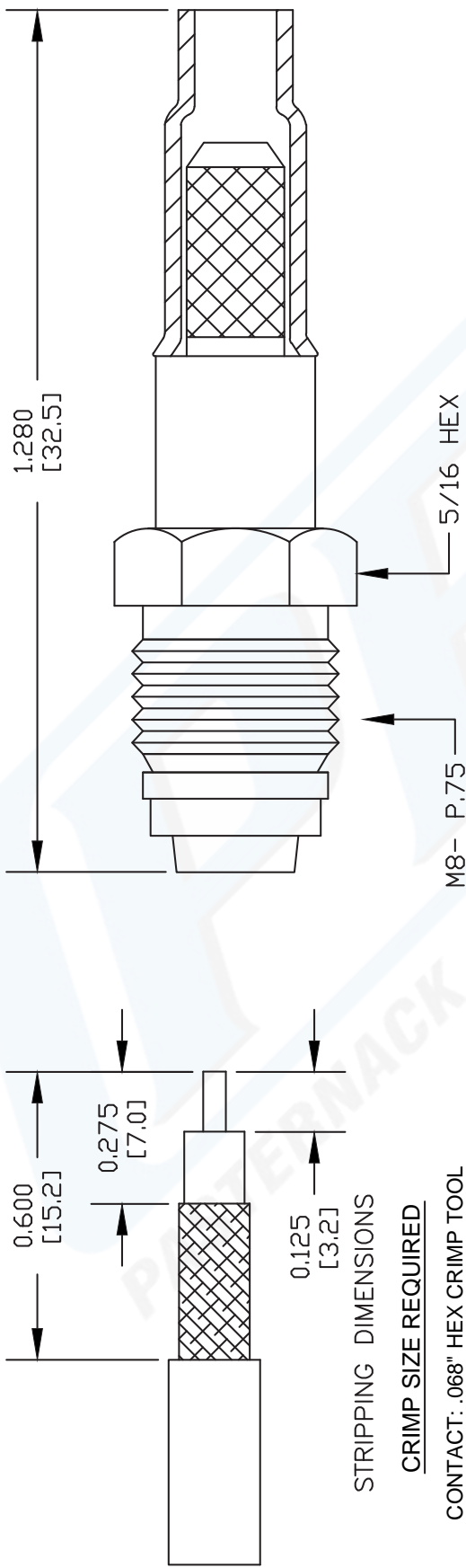
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188 PE44148

URL: http://www.pasternack.com/fme-jack-standard-rg174-rg316-rg188-connector-pe44148-p.aspx

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PE44148 CAD Drawing
FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

1.280 [32.5]

5/16 HEX

M8– P.75

0.600 [15.2]

0.275 [7.0]

0.125 [3.2]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .178" HEX CRIMP TOOL

XXXX

SIZE A

SCALE N/A

CAD FILE 062702

DWG TITLE
PE44148

FSCM NO. 53919

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FME Plug Connector Crimp/Solder Attachment
For RG174, RG316, RG188

TECHNICAL DATA SHEET	PE44297

FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188

Configuration
Connector	FME Plug
Connector Interface Type	RG174,RG316,RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications
Impedance, Ohms	50

Mechanical Specifications

Size
Length, in [mm]	1.332 [33.83]
Width/Dia., in [mm]	0.359 [9.12]
Weight, lbs [g]	0.013 [5.9]

Connector
Type	FME Plug
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30µ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100µ in. minimum
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)
RoHS Compliant	Yes

Plotted and Other Data
Notes:	Values at 25 °C, sea level

FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.
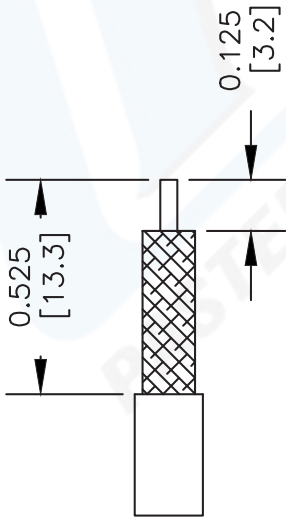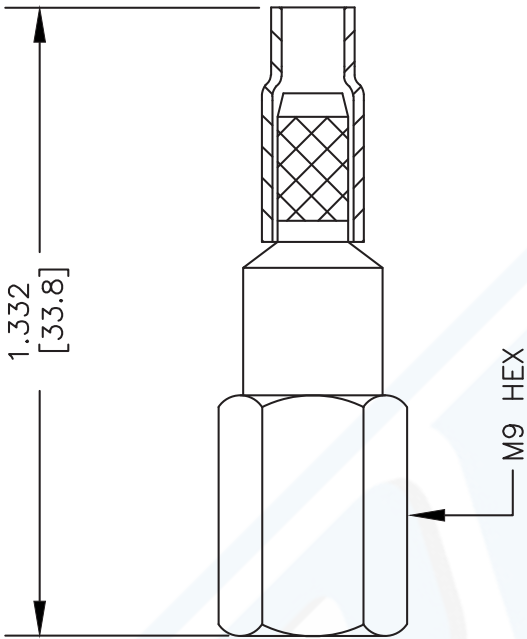
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188 PE44297

URL: http://www.pasternack.com/fme-plug-standard-rg174-rg316-rg188-connector-pe44297-p.aspx

PE44297 CAD Drawing
FME Plug Connector Crimp/Solder Attachment For RG174, RG316, RG188

1.332 [33.8]

M9 HEX

0.125 [3.2]

0.525 [13.3]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068
FERRULE: .128" HEX CRIMP TOOL

XXXX

SIZE A

SCALE N/A

CAD FILE 062102

DWG TITLE
PE44297

FSCM NO. 53919

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PE44297 REV 01

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Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet
RG316/U

Configuration

- Flexible Cable
- 1 Shield(s)

Features

- High Flexibility
- FEP Jacket
- Velocity of Propagation 69%

Applications

- General Purpose
- Antenna Feeds
- Communication Systems
- Wireless Systems
- Indoor / Outdoor Uses
- High Temperature Applications
- High Flexibility Applications
- Jumper Cable Assemblies

Description

Flexible coaxial cable are ideal for applications where tight bends and continual flexure are required. Pasternack's RG316/U is a single shielded flexible coax cable with FEP jacket and compatible with a wide selection of connector types. This RG316/U coaxial cable has a stranded inner conductor for better flexibility and operates up to 3 GHz. The FEP jacket of this RG316/U coax cable makes it suitable for indoor/outdoor uses and high temperature applications. RG316/U datasheet specifications and outline drawing for this flexible cable are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		69		%
Operating Voltage (AC)			900	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Jacket Spark			2,000	Vrms
Nominal Capacitance			32 [104.99]	[pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket RG316/U

Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet
RG316/U

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.4	1	3	GHz
Attenuation, Typ	7.5	11	21	38	58	dB/100ft
	24.61	36.09	68.9	124.67	190.29	dB/100m

Mechanical Specifications
Diameter   0.102 in [2.59 mm]
Weight   0.01 lbs/ft [0.01 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver7	0.02 in 0.51 mm
Conductor Type	Stranded	
Dielectric	PTFE	0.06 in 1.52 mm
First Shield	Silver Plated Copper Braid 95% coverage	0.081 in 2.06 mm
Jacket	FEP, Tan	0.102 in [2.59 mm]

Environmental Specifications
Temperature
Operating Range   -55 to +200 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket RG316/U

RG316/U REV 1.5

Compliance Certifications (see product page for current document)

Plotted and Other Data
   Notes:

Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket RG316/U

URL: https://www.pasternack.com/flexible-rg316u-fep-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-rg316-u-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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RG316/U CAD Drawing

Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

JACKET

OUTER SHIELD

DIELECTRIC

STRANDED CENTER CONDUCTOR

Ø0.098 [Ø2.5]

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE		
RG316/U		

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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